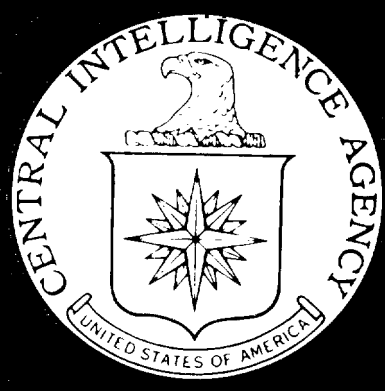


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NPIC REPORT

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# P.I. NOTES

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**28 OCTOBER 1965**

Declass Review by NIMA / DoD

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## CIA IMAGERY ANALYSIS DIVISION

PI NOTES, A PUBLICATION OF CIA/IMAGERY ANALYSIS DIVISION, HIGHLIGHTS SIGNIFICANT INTELLIGENCE ITEMS DERIVED FROM PHOTOGRAPHY, AS WELL AS CURRENT DEVELOPMENTS IN THE "PI" FIELD.

## P.I. NOTES 13/66

"PI NOTES" was not issued for the week of 21 October. This issue covers a two-week period.

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USSR

Space-related high-power tracking facilities are under construction at Tyuratam, Kapustin Yar, and Plesetsk. Designations previously given to these facilities were "New-Type Interferometer" and "Bow and Arrow."

Buried waveguides, cable lines, and antenna support structures for 32 antennas have been identified to date. Other components at each facility are a control building with approximately 40,000 square feet of floor space, cooling structures, and a minor amount of on-site support.

These facilities are significant because (1) the type, quantity, and orientation of the antennas appear suitable for lunar or other space flights while offering little for test range programs; (2) the components related to power appear suitable for handling large loads; and (3) the combination of antenna types, available power, and control building floor space indicates high-precision tracking capabilities. [REDACTED]

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25X1D

A type III-C silo at Complex I, Tyuratam Missile Test Center, was newly identified and designated Launch Area I-2 in the OAK publication for Mission [REDACTED]. Additional scarring in the vicinity of the new silo suggests that the Soviets may have started the construction of three silos concurrently between [REDACTED]. If so, this would be consistent with previously observed practices in the construction of Type III-C silos at Tyuratam. [REDACTED]

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Analysis of photography of [REDACTED] reveals that at least part of the solid propellants plant and test facility at Biysk, USSR, was operational at that time. A smoke cloud approximately 2,200 feet in diameter is visible hanging close to the ground approximately 4,000 feet north of the small

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## CIA IMAGERY ANALYSIS DIVISION

U-shaped test position, 8,775 feet west of the main test area. A very faint cone of smoke can be detected emanating from the U-shaped test revetment. This indicates that a test had recently been conducted. Previous estimates had placed the operational date of this facility as sometime in [ ] However, detection of this test activity leads to the conclusion that at least part of the Biysk facility was producing and testing propellants as early as [ ] [ ]

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As of [ ] Mission [ ] the current count of confirmed and probable ICBM launchers at the 25 deployed launch complexes, including those under construction, totals 410. These are broken down by missile systems as follows:

25X1D

Missile System/Launch Area Configuration	Number of Launch Sites	Launchers Per Site	Total Launch Positions By Type	Total Launchers
SS-6/IA	4	1	4	4
SS-7/9 II A	5	2	10	
II B	29	2	58	
II D	30	2	60	
III A	23	3	69	127
SS-8/ II C	7	2	14	
III B	3	3	9	23
Large Single Silos/III C	71	1	71	71
Small Single Silos/III D	115	1	115	115
Totals	287	-	410	410

In addition, there are 50 launch positions at the Tyuratam Missile Test Center (either complete or under construction) and 6 SS11 launchers of unidentified function at the Plesetsk ICBM Complex. Of interest is the fact that of the 50 positions at Tyuratam, 12 are silo-type launchers.

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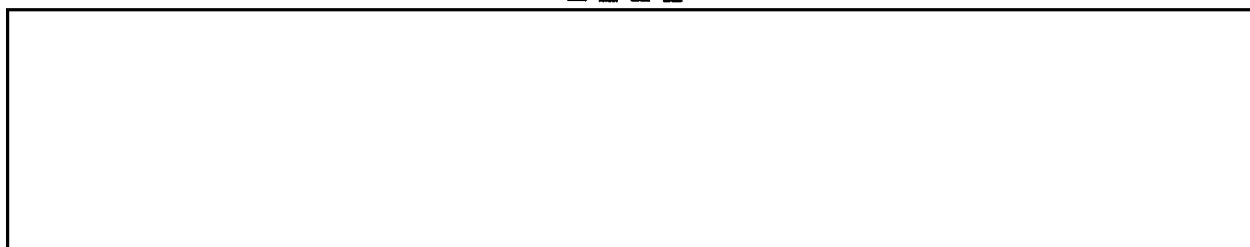
CIA IMAGERY ANALYSIS DIVISION

CHINA

IAD has just completed two PIR's resulting from photographic searches for uranium mining in China. One hundred separate areas were searched; each area was 50 nautical miles in diameter covering an area of approximately 1,963 square nautical miles. A photograph and description is included of the significant mining operations in each search area. Many of these are concerned with the mining of ores other than uranium, and so provide a comprehensive photographic study of various types of mining in China.

The reports are CIA/PIR-63016, Search for Uranium Mining in Eastern China (TOP SECRET [REDACTED]) and CIA/PIR-63017, Search for Uranium Mining in Central China (TOP SECRET [REDACTED]).

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25X6ARGENTINE & URUGUAY

25X1D

A scan of Mission [REDACTED] reveals that northeastern Argentina was covered by good-quality, cloud-free photography from 24-30S 61-00W south-southeast through the La Plata complex (34-55S 57-58W). The complexes observed on this pass include Santa Fe (31-37S 60-42W), Rosario (32-55S 60-40W), Buenos Aires (34-35S 58-25W) and La Plata. Numerous airfields, landing strips, and indications of road/rail construction were noted throughout the area.

25X1D

A scan of Mission [REDACTED] reveals that excellent stereo photographic coverage was obtained of the Santa Fe complex/port facilities and the Bahía Blanca complex/port facilities. Non-stereo coverage was obtained of the Rosario complex/port facilities. No naval or air order of battle was noted.

25X1D

Mission [REDACTED] also obtained excellent stereo photographic coverage of the Montevideo, Uruguay, area (34-53S 56-10W) and the General Juan Madariaga, Argentina, area (37-00S 57-09W).

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SOMALIA

25X1D

A study of Mission [ ] covering Somalia, reveals significant construction activity at two port cities (see Attachment).

Berbera Port (10-26N 45-01E). Dredging is being accomplished with a suction-type dredge on the eastern edge of the port area. Construction materials and vehicles are visible in the main dock area. This activity was not apparent on attache photography of [ ]

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Chisimaio Port (00-22S 42-33E). Three probable POL tanks are under construction and fill is being added near a new pier which is also under construction. Construction materials and cranes are visible throughout the port area. An L-shaped earthen pier is probably being constructed just south of the city.

A new airfield is under construction at 00-19S 42-33E, 4 nm north of Chisimaio. Preliminary runway grading and several buildings appear to be completed. Fourteen bulldozers are near the north end of the runway. The old airfield shows no change in facilities or runways. [ ]

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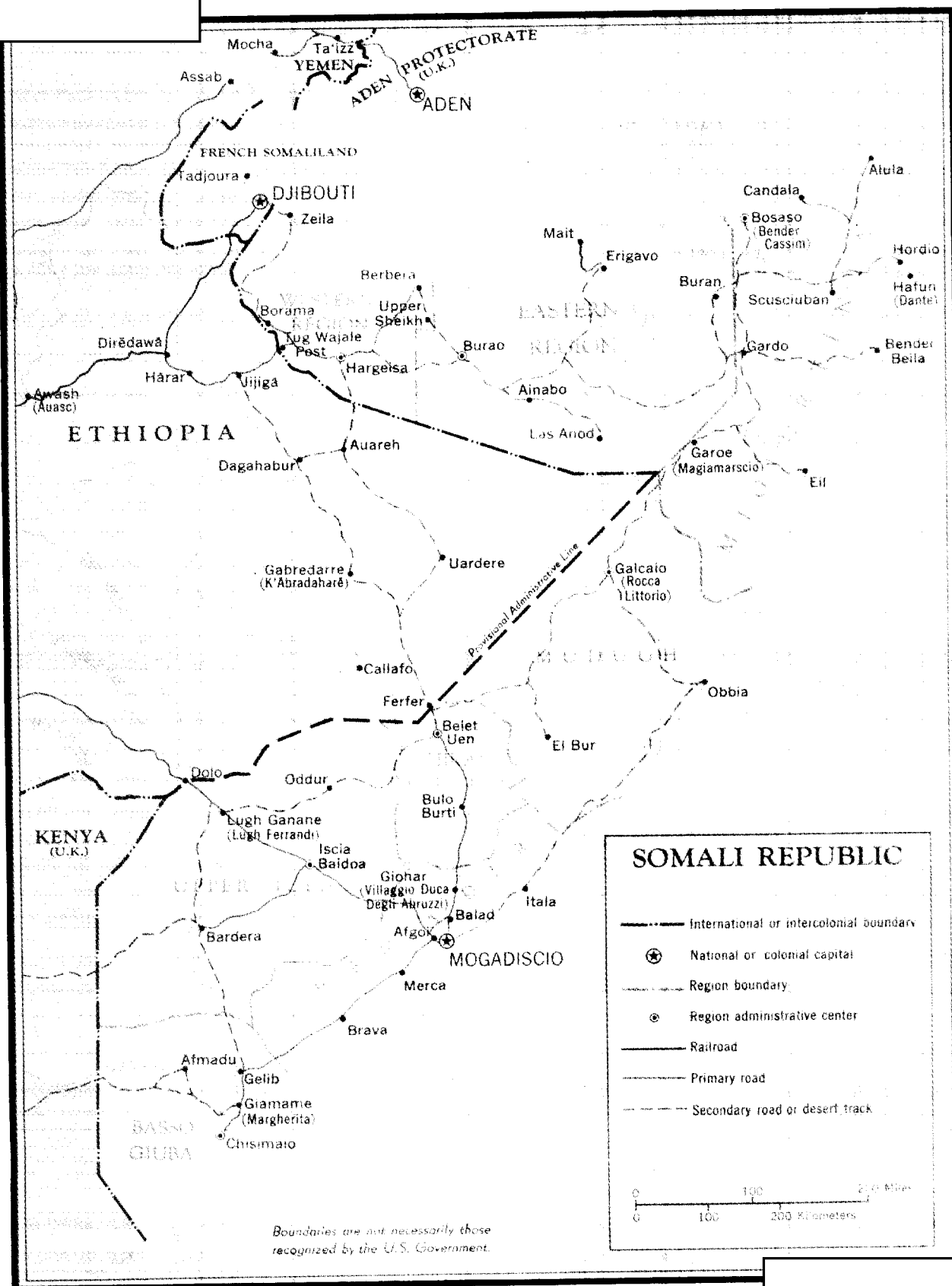
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